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19985267 11 November 1998 (11.11.98) NO(71)(72) Applicant and Inventor: BREIVIK, Jarle (NO/NO);
Åsensvingen 5C, N-0488 Oslo (NO).

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(54) Title: SIMULATION OF CHEMICAL INTERACTIONS

(57) Abstract

The present invention provides a system of elements floating in a liquid, which can bind together by temperature dependent ferromagnetic forces, wherein the elements are physically designed to provide certain characteristics to the inter-elemental bindings, and that the magnetic forces are controlled by temperature. The magnetic interactions involve materials with Curie temperatures (T_c) corresponding to temperature changes in the environment of the elements, such that specific inter-elemental attractions cease when the temperature is elevated to specific levels. The invention further comprises use of the system to simulate chemical interactions, and catalysis, wherein the bindings are manipulated by varying temperature and turbulence, and use of the system as an educational tool, an interactive game, a decoration and a tool for scientific purposes.

